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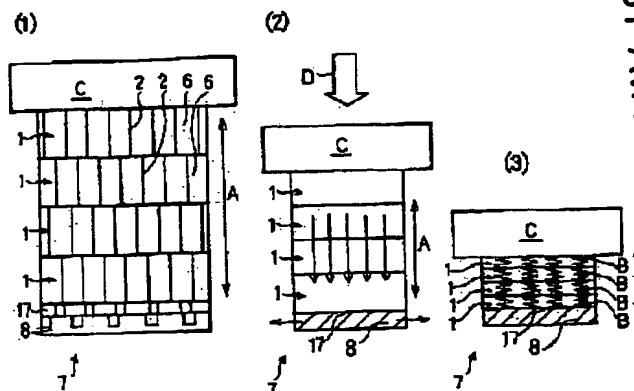
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APPLICANT : SHOWA AIRCRAFT IND CO LTD;

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TITLE : BUFFER DEVICE



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ABSTRACT : PROBLEM TO BE SOLVED: To provide a buffer device, in which cell walls is given sufficient buckling so as to absorb and relax the impact energy and obtain the predetermined buffering performance and which can securely protect an object and while which can obtain the sufficient buffering performance even in the case where an impact load is applied at a high speed and which can easily realize these performance.

SOLUTION: In this buffer device 7, a vertical and horizontal ventilating body 8 is arranged in an opening end surface side of a cell axial direction A of a honeycomb core 1, which is formed of a plain aggregate of hollow columnar cells 6 partitioned by cell walls 2. The cell axial direction A of the honeycomb core 1 is directed to the load working direction D so as to absorb and relax the impact energy with the buckling B of the cell walls 2, and the vertical and lateral ventilating body 8 is provided with the ventilating property with the cells 6 and while provided with the ventilating property in the direction crossing the cell axial direction A. As a honeycomb core 1, a cell edge type core or a honeycomb panel type core, to which a surface plate provided with the ventilating property is bonded, can be used.

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